

**Grade 5 – Book B**  
**(CAPS edition)**  
**Revised for 2023**

**CONTENT:**

	<u>Page:</u>
B1. Fractions	3
B2. Decimal fractions	31
B3. Money	43
B4. 2D- and 3D- shapes	55
B5. Measurement	67
B6. Ratio and rate	99
B7. Data	103
B8. Perimeter, area and volume	111
B9. Temperature	119
B10. Probability	123

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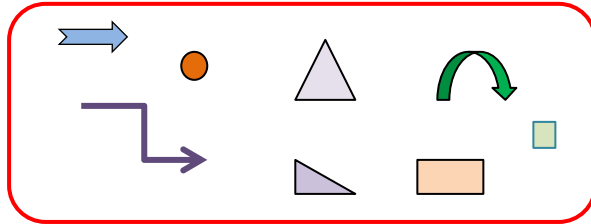
# Chapter B1

## Fractions

**Exercise 1:**


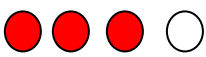

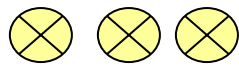
Date: \_\_\_\_\_

(1) Answer the questions.



- (a) How many elements are there in the block? \_\_\_\_\_
- (b) How many elements are arrows? \_\_\_\_\_
- (c) What fraction of the elements is arrows? \_\_\_\_\_
- (d) What fraction of the elements is not arrows? \_\_\_\_\_
- (e) What fraction is quadrilaterals? \_\_\_\_\_
- (f) What fraction is not quadrilaterals? \_\_\_\_\_
- (g) What fraction is triangles? \_\_\_\_\_
- (h) What fraction is not triangles? \_\_\_\_\_
- (i) What fraction of the elements is circles? \_\_\_\_\_
- (j) What fraction of the elements is not circles or triangles? \_\_\_\_\_

(2) What fraction is shaded and what fraction is not shaded?

	FRACTION SHADED	FRACTION NOT SHADED
(a) 		
(b) 		
(c) 		
(d) 		

**MULTIPLICATION AND DIVISION (Speed test)**  
**(2x – 5x)**

**Exercise B1A:**

Date: \_\_\_\_\_

Write down the answer.

- |                                       |                                       |                                       |                                      |
|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| (a) $3 \times 3 = \underline{\quad}$  | (a) $16 \div 4 = \underline{\quad}$   | (a) $25 \times 4 = \underline{\quad}$ | (a) $7 \times 3 = \underline{\quad}$ |
| (b) $12 \div 4 = \underline{\quad}$   | (b) $9 \times 3 = \underline{\quad}$  | (b) $36 \div 4 = \underline{\quad}$   | (b) $32 \div 4 = \underline{\quad}$  |
| (c) $12 \times 5 = \underline{\quad}$ | (c) $25 \div 5 = \underline{\quad}$   | (c) $4 \times 5 = \underline{\quad}$  | (c) $0 \times 3 = \underline{\quad}$ |
| (d) $24 \div 4 = \underline{\quad}$   | (d) $3 \times 4 = \underline{\quad}$  | (d) $12 \div 3 = \underline{\quad}$   | (d) $48 \div 4 = \underline{\quad}$  |
| (e) $3 \times 5 = \underline{\quad}$  | (e) $100 \div 4 = \underline{\quad}$  | (e) $7 \times 4 = \underline{\quad}$  | (e) $50 \div 2 = \underline{\quad}$  |
| (f) $48 \div 4 = \underline{\quad}$   | (f) $8 \times 3 = \underline{\quad}$  | (f) $4 \div 0 = \underline{\quad}$    | (f) $27 \div 3 = \underline{\quad}$  |
| (g) $3 \times 4 = \underline{\quad}$  | (g) $100 \div 5 = \underline{\quad}$  | (g) $7 \times 5 = \underline{\quad}$  | (g) $18 \div 3 = \underline{\quad}$  |
| (h) $30 \div 5 = \underline{\quad}$   | (h) $7 \times 3 = \underline{\quad}$  | (h) $48 \div 2 = \underline{\quad}$   | (h) $70 \div 2 = \underline{\quad}$  |
| (i) $3 \times 3 = \underline{\quad}$  | (i) $24 \div 2 = \underline{\quad}$   | (i) $4 \times 5 = \underline{\quad}$  | (i) $48 \div 3 = \underline{\quad}$  |
| (j) $12 \times 3 = \underline{\quad}$ | (j) $20 \times 5 = \underline{\quad}$ | (j) $28 \div 4 = \underline{\quad}$   | (j) $24 \div 4 = \underline{\quad}$  |

Total:  Total:  Total:  Total:

**Total out of 40:**

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Use the table to compare the fractions.

1 whole							
$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

(3) Fill in:  $>$ ;  $<$  or  $=$

(a)  $\frac{4}{4}$    $\frac{1}{2}$

(b)  $\frac{1}{8}$    $\frac{1}{4}$

(c)  $\frac{2}{4}$    $\frac{1}{2}$

(d)  $\frac{4}{4}$    $\frac{2}{2}$

(f)  $\frac{3}{8}$    $\frac{2}{4}$

(f)  $\frac{1}{8}$    $\frac{1}{2}$

(g)  $\frac{6}{8}$    $\frac{3}{4}$

(h)  $\frac{1}{1}$    $\frac{4}{4}$

(i)  $\frac{8}{8}$    $\frac{2}{2}$

(j)  $\frac{1}{4}$    $\frac{3}{8}$

(k)  $\frac{1}{2}$    $\frac{3}{4}$

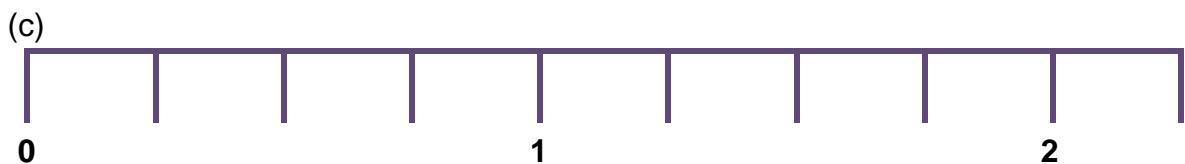
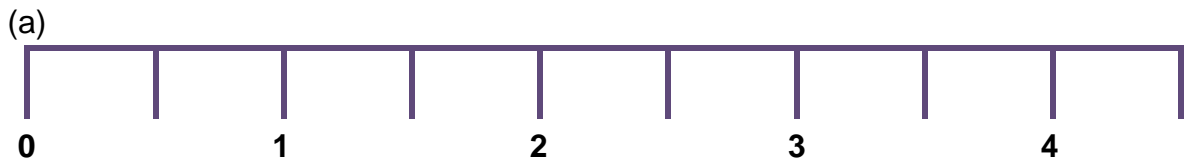
(l)  $\frac{4}{4}$    $\frac{4}{8}$

(m)  $\frac{5}{8}$    $\frac{1}{2}$

(n)  $\frac{1}{1}$    $\frac{8}{8}$

(o)  $\frac{4}{8}$    $\frac{1}{2}$

(4) Complete the number line.





PROPER FRACTION	IMPROPER FRACTION	MIXED NUMBER
$\frac{3}{4}$	$\frac{5}{4}$	$1\frac{1}{4}$
The fraction is <b>less</b> than 1 whole. The numerator is therefore less than the denominator.	The fraction is <b>greater</b> than 1 whole. The numerator is therefore greater than the denominator.	The fraction is <b>greater</b> than 1 whole.

**Exercise 2:**

Date: \_\_\_\_\_

(1) Classify the fractions as proper fractions, improper fractions or mixed numbers.

$\frac{1}{3}$	$\frac{4}{3}$	$\frac{1}{5}$	$1\frac{1}{5}$
_____	_____	_____	_____
fraction	fraction	fraction	number

(2) Encircle all the fractions that are greater than 1 whole.

$\frac{7}{8}$      $\frac{4}{5}$      $\frac{3}{8}$      $\frac{7}{6}$      $\frac{2}{3}$      $\frac{4}{1}$      $\frac{8}{8}$      $\frac{7}{5}$      $1\frac{7}{8}$

(3) How many whole numbers are there in each of the following?

<p>(a)  <math>\frac{6}{3} =</math> _____</p> <p>(c)  <math>\frac{12}{4} =</math> _____</p> <p>(e) ? <math>\frac{8}{2} =</math> _____</p> <p>(g) ? <math>\frac{20}{2} =</math> _____</p> <p>(i) ? <math>\frac{12}{4} =</math> _____</p>	<p>(b)  <math>\frac{9}{3} =</math> _____</p> <p>(d)  <math>\frac{10}{5} =</math> _____</p> <p>(f) ? <math>\frac{16}{4} =</math> _____</p> <p>(h) ? <math>\frac{36}{4} =</math> _____</p> <p>(j) ? <math>\frac{18}{2} =</math> _____</p>
--	---

(4) What fraction is shaded in each case? Write this as a mixed number as well..

<p>(a)  → _____</p> <p>(c)  → _____</p> <p>(e)  → _____</p>	<p>(b)  → _____</p> <p>(d)  → _____</p> <p>(f)  → _____</p>
---	---





1 WHOLE											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

**Exercise 3:**

Date: \_\_\_\_\_

**(1) Complete with equivalent fractions.**

$$1 = \frac{\boxed{\phantom{000}}}{2} = \frac{\boxed{\phantom{000}}}{3} = \frac{\boxed{\phantom{000}}}{6} = \frac{\boxed{\phantom{000}}}{12}$$

**(2) Study the diagram at the top of the page and answer the questions**

(a)  $\frac{2}{6} =$  \_\_\_\_\_ third

(c)  $\frac{2}{3} =$  \_\_\_\_\_ sixths

(e)  $\frac{3}{6} =$  \_\_\_\_\_ halve

(g)  $\frac{1}{2} =$  \_\_\_\_\_ twelfths

(i)  $\frac{1}{2} =$  \_\_\_\_\_ sixths

(k)  $\frac{3}{3} =$  \_\_\_\_\_ whole

(m)  $\frac{12}{12} =$  \_\_\_\_\_ sixths

\*(o)  $\frac{9}{3} =$  \_\_\_\_\_ whole

\*(q)  $\frac{12}{3} =$  \_\_\_\_\_ whole

\*(s)  $\frac{36}{12} =$  \_\_\_\_\_ whole

(b)  $\frac{6}{6} =$  \_\_\_\_\_ whole

(d)  $\frac{4}{12} =$  \_\_\_\_\_ third

(f)  $\frac{8}{12} =$  \_\_\_\_\_ sixths

(h)  $\frac{1}{3} =$  \_\_\_\_\_ twelfths

(j)  $\frac{4}{6} =$  \_\_\_\_\_ twelfths

(l)  $\frac{1}{1} =$  \_\_\_\_\_ thirds

\*(n)  $\frac{4}{2} =$  \_\_\_\_\_ whole

\*(p)  $\frac{24}{12} =$  \_\_\_\_\_ whole

\*(r)  $\frac{18}{3} =$  \_\_\_\_\_ whole

\*(t)  $\frac{24}{6} =$  \_\_\_\_\_ whole

**(3) Complete with the correct fractions to give whole numbers.**

(a)  $\frac{\boxed{\phantom{000}}}{2} = 5$

(d)  $\frac{\boxed{\phantom{000}}}{4} = 2$

(g)  $\frac{\boxed{\phantom{000}}}{5} = 2$

(b)  $\frac{\boxed{\phantom{000}}}{3} = 2$

(e)  $\frac{\boxed{\phantom{000}}}{4} = 4$

(h)  $\frac{\boxed{\phantom{000}}}{4} = 6$

(c)  $\frac{\boxed{\phantom{000}}}{3} = 3$

(f)  $\frac{\boxed{\phantom{000}}}{2} = 5$

(i)  $\frac{\boxed{\phantom{000}}}{5} = 3$



## Mixed numbers and improper fractions

**Exercise 4:**

Date: \_\_\_\_\_

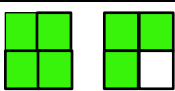
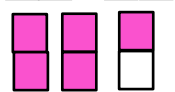
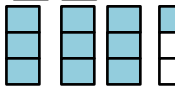
**(1) How many whole numbers are there in each case, and how much of the fraction remains?**

- (a)  $\frac{9}{5} = \frac{5}{5} + \frac{4}{5} = \underline{1 \text{ hele}}$  and  $\underline{4}$  fifths
- (b)  $\frac{11}{6} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  sixths
- (c)  $\frac{9}{7} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  sevenths
- (d)  $\frac{15}{6} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  sixths
- \*(e)  $\frac{7}{3} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  third
- \*(f)  $\frac{19}{7} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  sevenths
- (g)  $\frac{9}{6} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  sixths
- (h)  $\frac{6}{5} = \underline{\hspace{2cm}}$  =  $\underline{\hspace{2cm}}$  and  $\underline{\hspace{2cm}}$  fifth

**(2) Write it the other way round.**

- (a)  $1\frac{3}{5} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
- (b)  $2\frac{2}{3} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
- (c)  $1\frac{3}{7} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
- (d)  $1\frac{5}{6} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
- (e)  $2\frac{1}{3} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
- (f)  $2\frac{1}{7} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
- (g)  $2\frac{2}{4} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

**(3) Write sums to fit the following drawings.**

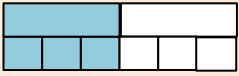
	Blocks shaded		Improper Fraction
(a)		=	_____ whole _____ quarters or _____
(b)		=	_____ whole _____ halve or _____
(c)		=	_____ whole _____ third or _____



## Equivalent fractions (This refers to fractions that have the same value)

### Exercise 5:

Date: \_\_\_\_\_

	$\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$ therefore: $\frac{1}{2} = \frac{3}{6}$
---	---

#### (1) Write down equivalent fractions.

**GOLDEN RULE:** Multiply or divide both top and bottom by the same number.

<p>(a) <math>\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}</math></p> <p>d) <math>\frac{2}{5} \times \frac{2}{2} = \underline{\hspace{2cm}}</math></p> <p>(g) <math>\frac{3}{6} \times \underline{\hspace{2cm}} = \frac{6}{12}</math></p> <p>(j) <math>\frac{4}{7} \times \underline{\hspace{2cm}} = \frac{8}{14}</math></p> <p>(m) <math>\frac{4}{9} \times \underline{\hspace{2cm}} = \frac{40}{90}</math></p>	<p>(b) <math>\frac{1}{3} \times \frac{2}{2} = \underline{\hspace{2cm}}</math></p> <p>(e) <math>\frac{3}{4} \times \underline{\hspace{2cm}} = \frac{9}{12}</math></p> <p>(h) <math>\frac{5}{8} \times \underline{\hspace{2cm}} = \frac{10}{16}</math></p> <p>(k) <math>\frac{3}{6} \times \underline{\hspace{2cm}} = \frac{6}{12}</math></p> <p>(n) <math>\frac{2}{9} \times \underline{\hspace{2cm}} = \frac{18}{81}</math></p>	<p>(c) <math>\frac{1}{3} \times \frac{3}{3} = \underline{\hspace{2cm}}</math></p> <p>(f) <math>\frac{3}{4} \times \frac{5}{5} = \underline{\hspace{2cm}}</math></p> <p>(i) <math>\frac{1}{9} \times \frac{2}{2} = \underline{\hspace{2cm}}</math></p> <p>(l) <math>\frac{2}{3} \times \frac{5}{5} = \underline{\hspace{2cm}}</math></p> <p>(o) <math>\frac{1}{5} \times \frac{14}{14} = \underline{\hspace{2cm}}</math></p>
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#### (2) Write the correct numbers in the blank spaces to make each statement true.


<p>(a) <math>\frac{1}{2} = \frac{\hspace{2cm}}{6}</math></p> <p>(e) <math>\frac{1}{4} = \frac{\hspace{2cm}}{8}</math></p> <p>(i) <math>\frac{1}{3} = \frac{\hspace{2cm}}{6}</math></p> <p>(m) <math>\frac{1}{5} = \frac{\hspace{2cm}}{10}</math></p> <p>(q) <math>\frac{2}{6} = \frac{\hspace{2cm}}{12}</math></p> <p>(u) <math>\frac{3}{4} = \frac{\hspace{2cm}}{24}</math></p>	<p>(b) <math>\frac{1}{2} = \frac{\hspace{2cm}}{4}</math></p> <p>(f) <math>\frac{1}{4} = \frac{\hspace{2cm}}{12}</math></p> <p>(j) <math>\frac{1}{3} = \frac{\hspace{2cm}}{12}</math></p> <p>(n) <math>\frac{1}{5} = \frac{\hspace{2cm}}{40}</math></p> <p>(r) <math>\frac{4}{5} = \frac{\hspace{2cm}}{15}</math></p> <p>(v) <math>\frac{4}{8} = \frac{\hspace{2cm}}{32}</math></p>	<p>(c) <math>\frac{1}{2} = \frac{\hspace{2cm}}{8}</math></p> <p>(g) <math>\frac{1}{4} = \frac{\hspace{2cm}}{20}</math></p> <p>(k) <math>\frac{1}{3} = \frac{\hspace{2cm}}{18}</math></p> <p>(o) <math>\frac{1}{5} = \frac{\hspace{2cm}}{20}</math></p> <p>(s) <math>\frac{2}{3} = \frac{\hspace{2cm}}{30}</math></p> <p>(w) <math>\frac{5}{7} = \frac{\hspace{2cm}}{35}</math></p>	<p>(d) <math>\frac{1}{2} = \frac{\hspace{2cm}}{10}</math></p> <p>(h) <math>\frac{1}{4} = \frac{\hspace{2cm}}{16}</math></p> <p>(l) <math>\frac{1}{3} = \frac{\hspace{2cm}}{21}</math></p> <p>(p) <math>\frac{1}{5} = \frac{\hspace{2cm}}{30}</math></p> <p>(t) <math>\frac{4}{6} = \frac{\hspace{2cm}}{24}</math></p> <p>(x) <math>\frac{4}{6} = \frac{\hspace{2cm}}{36}</math></p>
--	--	--	---



## More equivalent fractions (simplify)

**Exercise 6:**

Date: \_\_\_\_\_



$$\frac{6}{12} \div \frac{6}{6} = \frac{1}{2} \quad \text{therefore: } \frac{3}{6} = \frac{1}{2}$$

**(1) Write down equivalent fractions.**
**GOLDEN RULE:** Multiply or divide both top and bottom by the same number.

(a)  $\frac{6}{12} \div \frac{6}{6} = \frac{1}{2}$

(b)  $\frac{9}{12} \div \frac{3}{3} = \underline{\hspace{2cm}}$

(c)  $\frac{4}{8} \div \frac{4}{4} = \underline{\hspace{2cm}}$

(d)  $\frac{6}{8} \div \frac{2}{2} = \underline{\hspace{2cm}}$

(e)  $\frac{12}{15} \div \frac{3}{3} = \underline{\hspace{2cm}}$

(f)  $\frac{5}{10} \div \frac{5}{5} = \underline{\hspace{2cm}}$

(g)  $\frac{7}{14} \div \underline{\hspace{1cm}} = \frac{1}{2}$

(h)  $\frac{8}{16} \div \underline{\hspace{1cm}} = \frac{1}{2}$

(i)  $\frac{9}{18} \div \underline{\hspace{1cm}} = \frac{1}{2}$

(j)  $\frac{18}{21} \div \frac{3}{3} = \underline{\hspace{2cm}}$

(k)  $\frac{12}{24} \div \frac{12}{12} = \underline{\hspace{2cm}}$

(l)  $\frac{24}{30} \div \frac{6}{6} = \underline{\hspace{2cm}}$

(m)  $\frac{20}{30} \div \frac{10}{10} = \underline{\hspace{2cm}}$

(n)  $\frac{9}{27} \div \frac{9}{9} = \underline{\hspace{2cm}}$

(o)  $\frac{15}{20} \div \frac{5}{5} = \underline{\hspace{2cm}}$

**(2) Supply the correct numbers to make each statement true:**

(a)  $\frac{\hspace{1cm}}{6} = \frac{1}{2}$

(b)  $\frac{\hspace{1cm}}{12} = \frac{1}{2}$

(c)  $\frac{\hspace{1cm}}{20} = \frac{1}{2}$

(d)  $\frac{\hspace{1cm}}{18} = \frac{1}{2}$

(e)  $\frac{\hspace{1cm}}{12} = \frac{1}{4}$

(f)  $\frac{\hspace{1cm}}{20} = \frac{1}{4}$

(g)  $\frac{\hspace{1cm}}{16} = \frac{1}{4}$

(h)  $\frac{\hspace{1cm}}{24} = \frac{1}{4}$

(i)  $\frac{\hspace{1cm}}{12} = \frac{1}{3}$

(j)  $\frac{\hspace{1cm}}{15} = \frac{1}{3}$

(k)  $\frac{\hspace{1cm}}{6} = \frac{1}{3}$

(l)  $\frac{\hspace{1cm}}{9} = \frac{1}{3}$

**(3) How many whole numbers are there?**

(a)  $\frac{12}{6} = \underline{\hspace{2cm}}$

(b)  $\frac{14}{7} = \underline{\hspace{2cm}}$

(c)  $\frac{21}{3} = \underline{\hspace{2cm}}$

(d)  $\frac{18}{6} = \underline{\hspace{2cm}}$

(e)  $\frac{24}{6} = \underline{\hspace{2cm}}$

(f)  $\frac{30}{6} = \underline{\hspace{2cm}}$

(g)  $\frac{16}{4} = \underline{\hspace{2cm}}$

(h)  $\frac{20}{5} = \underline{\hspace{2cm}}$

(i)  $\frac{28}{4} = \underline{\hspace{2cm}}$





Adding fractions**Exercise 7:**

Date: \_\_\_\_\_

**(1) Complete the patterns.**

(a)

$$4 \xrightarrow{+\frac{1}{2}} \boxed{\phantom{00}} \xrightarrow{+\frac{1}{2}} \boxed{\phantom{00}} \xrightarrow{+\frac{1}{2}} \boxed{\phantom{00}}$$

(b)

$$6 \xrightarrow{+\frac{1}{2}} \boxed{\phantom{00}} \xrightarrow{+\frac{1}{2}} \boxed{7} \xrightarrow{+\frac{1}{2}} \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \xleftarrow{+\frac{1}{2}} \boxed{\phantom{00}} \xleftarrow{+\frac{1}{2}} \boxed{\phantom{00}} \xleftarrow{+\frac{1}{2}} \boxed{\phantom{00}}$$

(c)

$$3 \xrightarrow{+\frac{1}{4}} \boxed{\phantom{00}} \xrightarrow{+\frac{1}{4}} \boxed{\phantom{00}} \xrightarrow{+\frac{1}{4}} \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \xleftarrow{+\frac{1}{4}} \boxed{\phantom{00}} \xleftarrow{+\frac{1}{4}} \boxed{\phantom{00}} \xleftarrow{+\frac{1}{4}} \boxed{\phantom{00}}$$

**(2) Add the fractions.**

$$(a) \frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2} \quad (b) \frac{1}{5} + \frac{3}{5} = \underline{\hspace{2cm}} \quad (c) \frac{1}{3} + \frac{2}{3} = \underline{\hspace{2cm}}$$

$$(d) \frac{1}{4} + \frac{3}{4} = \underline{\hspace{2cm}} \quad (e) \frac{2}{5} + \frac{2}{5} = \underline{\hspace{2cm}} \quad (f) \frac{3}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$$

$$(g) \frac{2}{7} + \frac{3}{7} = \underline{\hspace{2cm}} \quad (h) \frac{5}{10} + \frac{1}{10} = \underline{\hspace{2cm}} \quad (i) \frac{4}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$$

$$(j) \frac{3}{9} + \frac{6}{9} = \underline{\hspace{2cm}} \quad (k) \frac{4}{5} + \frac{1}{5} = \underline{\hspace{2cm}} \quad (l) \frac{2}{2} + \frac{1}{1} = \underline{\hspace{2cm}}$$

$$(m) \frac{5}{4} + \frac{2}{4} = \underline{\hspace{2cm}} \quad (n) \frac{3}{8} + \frac{4}{8} = \underline{\hspace{2cm}} \quad (o) \frac{3}{4} + \frac{4}{4} = \underline{\hspace{2cm}}$$

**MULTIPLICATION AND DIVISION (Speed test)****Exercise B1H:**

Date: \_\_\_\_\_

**ORDER OF OPERATIONS****Write down the answer.**

(a)  $2 \times 3 \times 8 =$  \_\_\_\_\_

(b)  $3 \times 4 \div 6 =$  \_\_\_\_\_

(c)  $4 \times 6 \div 8 =$  \_\_\_\_\_

(d)  $2 \times 24 \div 4 =$  \_\_\_\_\_

(e)  $7 \times 8 + 15 =$  \_\_\_\_\_

(f)  $2 \times 15 \div 6 =$  \_\_\_\_\_

(g)  $56 \div 8 \times 3 =$  \_\_\_\_\_

(h)  $2 \times 25 \div 10 =$  \_\_\_\_\_

(i)  $4 \times 3 \times 9 =$  \_\_\_\_\_

(j)  $5 \times 12 \times 2 =$  \_\_\_\_\_

(a)  $16 \div 4 \times 25 =$  \_\_\_\_\_

(b)  $6 \times 6 \div 6 =$  \_\_\_\_\_

(c)  $64 \div 8 \times 25 =$  \_\_\_\_\_

(d)  $3 \times 4 \times 6 =$  \_\_\_\_\_

(e)  $54 \div 9 \div 2 =$  \_\_\_\_\_

(f)  $5 \times 4 \times 5 =$  \_\_\_\_\_

(g)  $3 \times 8 \times 2 =$  \_\_\_\_\_

(h)  $8 \times 7 \div 2 =$  \_\_\_\_\_

(i)  $32 \div 8 \times 6 =$  \_\_\_\_\_

(j)  $2 \times 8 \times 2 \div 4 =$  \_\_\_\_\_

(a)  $6 \times 6 + 12 =$  \_\_\_\_\_

(b)  $21 \div 3 + 13 =$  \_\_\_\_\_

(c)  $12 + 18 \times 20 =$  \_\_\_\_\_

(d)  $40 \div 8 \times 20 =$  \_\_\_\_\_

(e)  $7 \times 8 \times 2 =$  \_\_\_\_\_

(f)  $2 \times 16 \div 0 =$  \_\_\_\_\_

(g)  $52 + 6 \times 5 =$  \_\_\_\_\_

(h)  $63 - 84 \div 7 =$  \_\_\_\_\_

(i)  $3 \times 3 \times 3 =$  \_\_\_\_\_

(j)  $4 \times 4 \times 4 =$  \_\_\_\_\_

Total:

Total:

Total:

**Total out of 30:**


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**MORE DIFFICULT ADDITION AND SIMPLIFICATION****Exercise 8:**

Date: \_\_\_\_\_

**(1) Add the fractions and simplify the answer.**

(a) $\frac{3}{16} + \frac{5}{16} = \frac{8}{16} \div \frac{8}{8} = \frac{1}{2}$	(b) $\frac{4}{15} + \frac{8}{15} = \underline{\quad} \div \frac{3}{3} = \underline{\quad}$
(c) $\frac{2}{8} + \frac{2}{8} = \underline{\quad} \div \frac{4}{4} = \underline{\quad}$	(d) $\frac{12}{20} + \frac{3}{20} = \underline{\quad} \div \frac{5}{5} = \underline{\quad}$
(e) $\frac{11}{18} + \frac{1}{18} = \underline{\quad} \div \frac{6}{6} = \underline{\quad}$	(f) $\frac{24}{50} + \frac{6}{50} = \underline{\quad} \div \frac{10}{10} = \underline{\quad}$
(g) $\frac{15}{30} + \frac{5}{30} = \underline{\quad} \div \frac{10}{10} = \underline{\quad}$	(h) $\frac{6}{12} + \frac{2}{12} = \underline{\quad} \div \frac{4}{4} = \underline{\quad}$
(i) $\frac{25}{100} + \frac{35}{100} = \underline{\quad} \div \frac{20}{20} = \underline{\quad}$	(j) $\frac{15}{25} + \frac{5}{25} = \underline{\quad} \div \frac{5}{5} = \underline{\quad}$

**(2) What fraction has to be added ?**

(a) $\frac{3}{8} + \underline{\quad} = \frac{7}{8}$	(b) $\frac{3}{6} + \underline{\quad} = \frac{6}{6}$	(c) $\frac{2}{10} + \underline{\quad} = \frac{8}{10}$
(d) $\frac{3}{15} + \underline{\quad} = \frac{12}{15}$	(e) $\frac{2}{5} + \underline{\quad} = 1$	*(f) $\frac{2}{5} + \underline{\quad} = 2$
(g) $\frac{2}{10} + \underline{\quad} = \frac{9}{10}$	(h) $\frac{5}{8} + \underline{\quad} = 1$	*(i) $\frac{4}{6} + \underline{\quad} = 2$
(j) $\frac{8}{20} + \underline{\quad} = \frac{16}{20}$	(k) $\frac{4}{10} + \underline{\quad} = 1$	*(l) $\frac{1}{2} + \underline{\quad} = 2$
(m) $\frac{7}{8} + \underline{\quad} = 1$	(n) $\frac{4}{7} + \underline{\quad} = \frac{6}{7}$	*(o) $\frac{1}{5} + \underline{\quad} = 4$

**(3) Add the whole numbers and the fractions.**

(a) $1 + 1\frac{1}{3} = \underline{\quad}$	(b) $1\frac{1}{4} + 1\frac{1}{4} = \underline{\quad}$
(c) $4\frac{1}{5} + 1\frac{3}{5} = \underline{\quad}$	(d) $4\frac{3}{6} + 1\frac{3}{6} = \underline{\quad}$
(e) $4\frac{1}{3} + 1\frac{1}{3} = \underline{\quad}$	(f) $1\frac{2}{8} + 1\frac{1}{8} = \underline{\quad}$
(g) $2\frac{3}{8} + 1\frac{1}{8} = \underline{\quad}$	(h) $1\frac{2}{6} + 1\frac{3}{6} = \underline{\quad}$

