## Year 6

## Fractions ( $X$ and $\div$ )

## B

## Answers

(1) A carton contains $\frac{2}{3}$ of a litre of milk.

How much milk is in 4 cartons?
You may use the number line to help you.


$$
2 \frac{2}{3} \text { litres }
$$

(2) Work out $\frac{1}{2} \times \frac{3}{4}$

You may use the diagram to help you.

(3) What is $1 \frac{3}{4} \times 3$

You may use the images to help you.


Award I mark for evidence of a clear method e.g. shading in three lots of $1 \frac{3}{4}$

$$
5 \frac{1}{4}
$$

4 Work out the missing values.
$10 \times \frac{1}{3}=\frac{\square}{\overline{3}}$

$$
10 \times \frac{\boxed{2}}{7}=\frac{20}{7}
$$

$10 \times \frac{7}{9}=7 \frac{7}{9}$

$$
10 \times \frac{1}{5}=2
$$

(5) A bag contains 400 counters.
$\frac{1}{4}$ of the counters are red.
$\frac{3}{8}$ of the counters are blue.
How many more blue counters than red counters are there?

Award I mark for evidence of I
step of correct mathematical working.

6 Use the diagram to convince me that $\frac{1}{3} \div 2$ is equal to $\frac{1}{6}$


Could split one third into two equal parts and shade one of them to show one sixth.
What is $\frac{1}{2} \div 5 ?$

$\qquad$
What is $\frac{2}{3} \div 4 ?$


I mark
$\square$
I mark


I mark

7


What is the value of $A$ ?

What is the value of $B$ ?

8 From Monday to Wednesday, Max rows $2 \frac{1}{5} \mathrm{~km}$ each day. From Thursday to Saturday, Max rows $4 \frac{3}{10} \mathrm{~km}$ each day. How far does he row in total from Monday to Saturday? Show all your working. Award I mark for I step of correct $2 \frac{1}{5} \times 3=6 \frac{3}{5} \quad 4 \frac{3}{10} \times 3=12 \frac{9}{10} \quad$ calculation.
$6 \frac{3}{5}+12 \frac{9}{10}=6 \frac{6}{10}+12 \frac{9}{10}=1 q \frac{5}{10}=19 \frac{1}{2}$

$$
19 \frac{5}{10} \text { or } 19 \frac{1}{2} \mathrm{~km}
$$

(9) Becky spends $\frac{3}{5}$ of her money.

She has $£ 60$ left.
How much money did she start with?

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f 150
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(10) $\frac{2}{5}$ of $\frac{1}{4}$ of a number is equal to 8

What is the number?

Award I mark for evidence
of a clear method.
80

Circle how confident you feel with fractions.

| Not <br> Nonfident | 2 | 3 | 4 | Very <br> confident |
| :---: | :---: | :---: | :---: | :---: |

