Monday Y3

COUNTING IN TENTHS

TARGET To count up and down in tenths.

Examples

Start at $\frac{5}{10}$. Count on $\frac{3}{10}$.

$\frac{5}{10}, \frac{6}{10}, \frac{7}{10}, \frac{8}{10}$

Answer $\frac{8}{10}$

Start at 1. Count back $\frac{4}{10}$.

$1 = \frac{10}{10}, \frac{9}{10}, \frac{8}{10}, \frac{7}{10}, \frac{6}{10}$

Answer $\frac{6}{10}$

A

What fraction of each shape is shaded?

1 

2 

3 

4 

5 

6 

7 

8 

9 Start at 0.
Count in halves to 3.

10 Start at 5.
Count on in quarters to 7.

11 Start at 10.
Count back in halves to 6.

12 Start at $1\frac{3}{4}$.
Count back in quarters to 0.

B

Write the fraction shown:

a) in words

b) in figures.

1 

2 

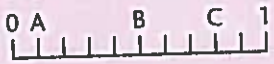
3 

4 

5 Write the fraction shown by each letter:

a) in words

b) in figures.



Count on or back in tenths.

6 Start at two tenths.
Count on four tenths.

7 Start at seven tenths.
Count back three tenths.

8 Start at three tenths.
Count on six tenths.

9 Start at one.
Count back seven tenths.

10 Start at one tenth.
Count on nine tenths.

C

What fraction of each diagram is:

a) green b) white?

Write your answer in both figures and words.

1 

2 

3 

4 

5 

6 

7 

8 

9 

10 

Write the first six numbers.

11 Start at 0.
Count on in eighths.

12 Start at 1.
Count back in ninths.

13 Start at three twelfths.
Count on in twelfths.

14 Start at 1.
Count back in sixths.

Y3 Tuesday

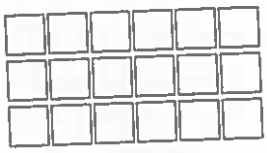
FRACTIONS OF A SET 2

TARGET To find fractions of a set of objects and amounts.

Examples

$\frac{1}{3}$ of 18 = 6

$\frac{2}{3}$ of 18 = 12



$\frac{1}{6}$ of 18 = 3

$\frac{5}{6}$ of 18 = 15

$\frac{1}{4}$ of 40 = 40 ÷ 4
= 10

$\frac{3}{4}$ of 40 = (40 ÷ 4) × 3
= 10 × 3
= 30

A

Use the squares to help you find:

1. $\frac{1}{2}$ of 6
2. $\frac{1}{3}$ of 6

3. $\frac{1}{3}$ of 15
4. $\frac{1}{5}$ of 15

5. $\frac{1}{2}$ of 12
6. $\frac{1}{3}$ of 12
7. $\frac{1}{4}$ of 12

8. $\frac{1}{4}$ of 20
9. $\frac{1}{5}$ of 20
10. $\frac{1}{2}$ of 20

11. $\frac{1}{4}$ of 24
12. $\frac{1}{6}$ of 24
13. $\frac{1}{2}$ of 24

Find

14. $\frac{1}{2}$ of 18
15. $\frac{1}{3}$ of 9
16. $\frac{1}{5}$ of 10
17. $\frac{1}{10}$ of 100
18. $\frac{1}{4}$ of 32
19. $\frac{1}{6}$ of 30

B

Look at the squares in Section A. Work out

1. a) $\frac{1}{3}$ of 6
   b) $\frac{2}{3}$ of 6
2. a) $\frac{1}{5}$ of 15
   b) $\frac{3}{5}$ of 15
3. a) $\frac{1}{4}$ of 12
   b) $\frac{3}{4}$ of 12
4. a) $\frac{1}{5}$ of 20
   b) $\frac{4}{5}$ of 20
5. a) $\frac{1}{6}$ of 24
   b) $\frac{5}{6}$ of 24
6. a) $\frac{1}{3}$ of 24
   b) $\frac{2}{3}$ of 24

Find $\frac{1}{5}$ of:

7. 30
8. 25
9. 50
10. 35

Find $\frac{1}{4}$ of:

15. 8
16. 16
17. 28
18. 36

Find $\frac{1}{3}$ of:

11. 18
12. 60
13. 36
14. 27

Find $\frac{1}{10}$ of:

19. 40
20. 120
21. 300
22. 750

C

Find

1. $\frac{3}{4}$ of 24
2. $\frac{2}{3}$ of 21
3. $\frac{4}{5}$ of 45
4. $\frac{1}{8}$ of 48
5. $\frac{7}{10}$ of 60
6. $\frac{5}{8}$ of 32
7. $\frac{3}{10}$ of 200
8. $\frac{2}{3}$ of 60
9. $\frac{3}{4}$ of 100
10. $\frac{2}{5}$ of 100
11. $\frac{9}{10}$ of 500
12. $\frac{1}{100}$ of 1000
13. There are 30 children in a class. Nine tenths are present. How many children are absent?
14. There are 24 bottles in a crate. Two thirds are empty. How many bottles are not empty?
15. There are 56 pills in a packet. Three eighths have been taken. How many are left?

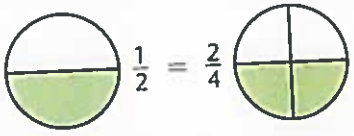
Weds Yr 3

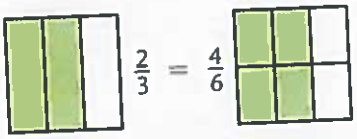
EQUIVALENT FRACTIONS 1

TARGET **To recognise and show equivalent fractions.**

Equivalent fractions are fractions that look different but are the same.

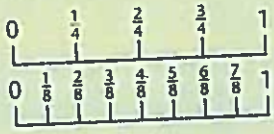
Examples





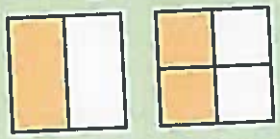
A

Use the number lines to complete the equivalent fractions.



1. $\frac{1}{4} = \frac{\square}{8}$
2. $\frac{1}{2} = \frac{\square}{8}$
3. $\frac{3}{4} = \frac{\square}{8}$
4. $\frac{2}{4} = \frac{\square}{8}$

Write the equivalent fractions shown in each pair of diagrams.

5. 
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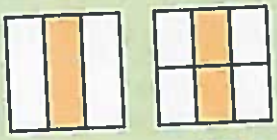
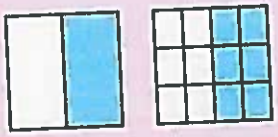
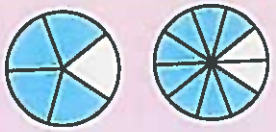
7. 
8. 

Draw a pair of diagrams to show:

9. $\frac{1}{2} = \frac{5}{10}$
10. $\frac{1}{3} = \frac{3}{9}$
11. $\frac{1}{2} = \frac{3}{6}$
12. $\frac{3}{4} = \frac{6}{8}$

B

Write the equivalent fractions shown in each pair of diagrams.

1. 
2. 
3. 
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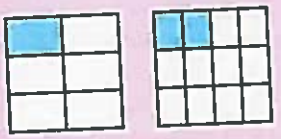
6. 

Draw a pair of diagrams to show:

7. $\frac{3}{4} = \frac{9}{12}$
8. $\frac{2}{3} = \frac{6}{9}$
9. $\frac{2}{5} = \frac{4}{10}$
10. $\frac{5}{6} = \frac{10}{12}$

C

Copy and complete.

1. $\frac{1}{2} = \frac{\square}{6}$
2. $\frac{3}{4} = \frac{\square}{16}$
3. $\frac{4}{5} = \frac{\square}{10}$
4. $\frac{7}{10} = \frac{\square}{100}$
5. $\frac{2}{3} = \frac{\square}{15}$
6. $\frac{3}{8} = \frac{\square}{16}$
7. $\frac{3}{5} = \frac{\square}{100}$
8. $\frac{9}{10} = \frac{\square}{50}$
9. $\frac{2}{7} = \frac{\square}{14}$
10. $\frac{3}{4} = \frac{\square}{20}$
11. $\frac{11}{25} = \frac{\square}{100}$
12. $\frac{2}{3} = \frac{\square}{18}$

Write the next five fractions in these chains.

13. $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$
14. $\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$
15. $\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$
16. $\frac{2}{5} = \frac{4}{10} = \frac{6}{15}$

Write >, < or = in each box.

17. $\frac{1}{2} \square \frac{6}{10}$
18. $\frac{2}{3} \square \frac{3}{6}$
19. $\frac{2}{5} \square \frac{4}{10}$
20. $\frac{1}{4} \square \frac{3}{16}$
21. $\frac{1}{3} \square \frac{2}{9}$
22. $\frac{2}{6} \square \frac{4}{12}$
23. $\frac{1}{2} \square \frac{5}{12}$
24. $\frac{3}{8} \square \frac{7}{16}$

Thurs Yr 3

EQUIVALENT FRACTIONS 2

TARGET To recognise and show equivalent fractions.

Example

Write the fraction shown in two different ways.

$\frac{1}{2} = \frac{6}{12}$

A

Write the fraction of each shape which is shaded?

1 

2 

3 

4 

5 

6 

7 

8 

Copy and complete by writing $\frac{1}{2}$ or $\frac{1}{4}$ in the box.

9 

$\frac{6}{12} = \square$

10 

$\frac{2}{8} = \square$

11 

$\frac{4}{8} = \square$

12 

$\frac{3}{12} = \square$

B

Copy and complete the equivalent fractions.

1 

$\frac{\square}{10} = \frac{1}{5}$

2 

$\frac{\square}{6} = \frac{1}{3}$

3 

$\frac{4}{12} = \frac{1}{\square}$

4 

$\frac{4}{8} = \frac{1}{\square}$

Write the fraction shown in two different ways.

5 

7 

6 

8 

9 Draw a diagram to show each pair of equivalent fractions.

a) $\frac{1}{3} = \frac{3}{9}$

b) $\frac{1}{2} = \frac{6}{12}$

c) $\frac{1}{6} = \frac{2}{12}$

C

Copy and complete the equivalent fractions.

1 

$\frac{6}{8} = \frac{\square}{4}$

2 

$\frac{6}{9} = \frac{\square}{3}$

3 

$\frac{4}{10} = \frac{\square}{5}$

4 

$\frac{9}{12} = \frac{\square}{4}$

Write the fraction shown in two different ways.

5 

7 

6 

8 

9 Draw a diagram to show each pair of equivalent fractions.

a) $\frac{3}{5} = \frac{6}{10}$

b) $\frac{5}{6} = \frac{10}{12}$

c) $\frac{3}{4} = \frac{9}{12}$