Name:

Exam Style Questions

Adding Fractions with Same Denominators

Corbettmaths

Equipment needed: Pen, pencil

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 132

Answers and Video Solutions

1. Work out

$$\frac{1}{5} + \frac{1}{5}$$

$\frac{2}{5}$

.....

(1)

2. Work out

$$\frac{3}{7} + \frac{2}{7}$$

$\frac{5}{7}$

.....

(1)

3. Work out

$$\frac{7}{9} - \frac{5}{9}$$

$\frac{2}{9}$

.....

(1)

4. Work out

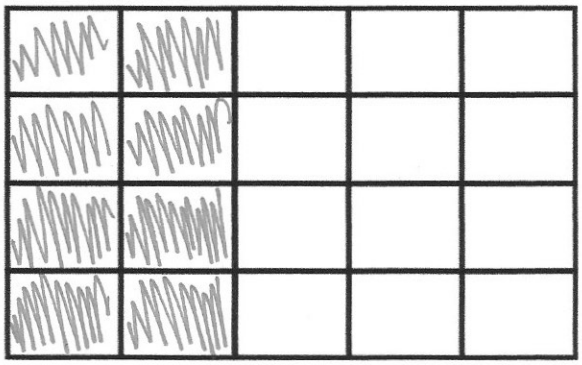
$$\frac{13}{15} - \frac{11}{15}$$

$\frac{2}{15}$

.....

(1)

5.



(a) Shade in $\frac{2}{5}$ of the grid.

(1)

(b) Work out

$$\frac{2}{5} + \frac{1}{5}$$

$\frac{3}{5}$

.....

(1)

6.

Work out

$$\frac{9}{10} - \frac{3}{10}$$

Simplify your answer.

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

$\frac{3}{5}$

.....

(2)

7. Work out

$$\frac{3}{10} + \frac{3}{10}$$

Simplify your answer.

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

$\frac{3}{5}$

.....

(2)

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8. Work out

$$\frac{3}{8} + \frac{1}{8}$$

Simplify your answer.

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

$\frac{1}{2}$

.....

(2)

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9. Work out

$$\frac{11}{15} - \frac{2}{15}$$

Simplify your answer.

$\frac{9}{15} = \frac{3}{5}$

$\frac{3}{5}$

.....

(2)

10.

$\frac{7}{9} + \boxed{\frac{2}{9}} = 1$

(1)

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11. There are red counters, blue counters and green counters in a bag.

$\frac{5}{8}$ of the counters are red.

$\frac{1}{8}$ of the counters are blue.

What fraction of the counters are green?

$\frac{5}{8} + \frac{1}{8} = \frac{6}{8}$

$1 - \frac{6}{8} = \frac{2}{8}$

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

$\frac{1}{4}$

.....

(2)

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12. $\frac{3}{5}$ of the students in a class travel to school by bus.

What fraction of the class do **not** travel to school by bus?

$1 - \frac{3}{5} = \frac{2}{5}$

$\frac{2}{5}$

.....

(1)

13. Work out

$$\frac{7}{9}+\frac{4}{9} = \frac{11}{9}$$

$1\frac{2}{9}$

Circle the correct answer.

$\frac{11}{18}$ $\frac{28}{9}$ $1\frac{2}{9}$ $3\frac{1}{9}$

(1)

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14. A hockey team won $\frac{7}{12}$ of their matches.

They drew $\frac{1}{12}$ of their matches.

What fraction of the matches did they lose?

$\frac{7}{12} + \frac{1}{12} = \frac{8}{12}$

$1 - \frac{8}{12} = \frac{4}{12}$

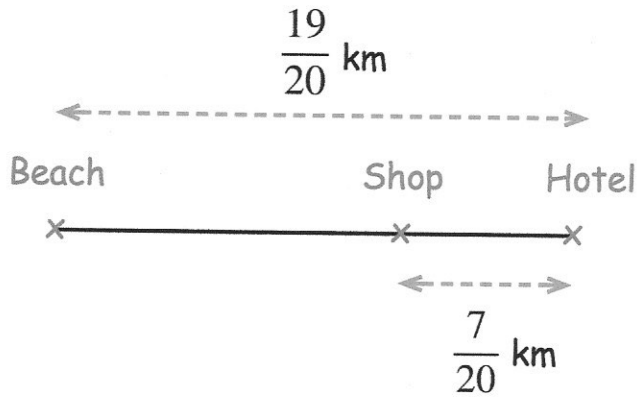
$\frac{1}{3}$

.....

$\frac{4}{12} = \frac{1}{3}$

(2)

15. The map below shows the beach, shop and hotel.



Work out the distance between the beach and the shop.

$\frac{19}{20} - \frac{7}{20} = \frac{12}{20}$

$\frac{12}{20} = \frac{6}{10} = \frac{3}{5}$

$\frac{3}{5}$ km

.....

(2)

or

600m

or

0.6km