

DR BAKER'S YEAR 5 MATHS
WEDNESDAY 29TH APRIL



WELCOME

Good Morning. Here are the answers to yesterday's times tables. Mark them first and then I would like you to think about this problem question.

My 8 key is still not working! If I want to write 8 but without my 8 key, what sums could I use instead. For example I could write $7 + 1$ when I meant 8. What else could I write? How many can you think of? What about if I wanted to write 18? Or 88? What about 818?

$$88 \div 8 = \underline{11}$$

$$6 \times 3 = \underline{18}$$

$$12 \times 7 = \underline{84}$$

$$8 \div 8 = \underline{1}$$

$$12 \times 5 = \underline{60}$$

$$10 \times 10 = \underline{100}$$

$$5 \times 2 = \underline{10}$$

$$3 \times 8 = \underline{24}$$

$$32 \div 4 = \underline{8}$$

$$4 \times 7 = \underline{28}$$

$$3 \times 1 = \underline{3}$$

$$28 \div 7 = \underline{4}$$

$$36 \div 12 = \underline{3}$$

$$7 \times 11 = \underline{77}$$

$$8 \times 4 = \underline{32}$$

$$4 \div 4 = \underline{1}$$

$$8 \div 4 = \underline{2}$$

$$11 \times 12 = \underline{132}$$

$$21 \div 7 = \underline{3}$$

$$10 \times 6 = \underline{60}$$

Did you get it Evan?!

TASKS FOR TODAY

L.O. To convert between fractions, decimals and percentages

Today we are going to convert between fractions and percentages. Remember that percentages are essentially just a special type of fraction where the denominator (bottom of the fraction) is 100.

Instead of writing as $\frac{a \text{ number}}{100}$ for our percentage we write *a number* %.

So $\frac{59}{100} = 59\%$ and $\frac{73}{100} = 73\%$.

This is all very straightforward when our fractions are out of 100 but unfortunately they aren't always. So we have to find an equivalent fraction with a denominator of 100.

e.g. $\frac{1}{2} = \frac{50}{100} = 50\%$. To do this I multiplied the top and bottom by 50 using the equivalent fraction method we used earlier in the week. This video will give you more details.

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=VGHAJ-PLM10](https://www.youtube.com/watch?v=VGHAJ-PLM10)

SET A

1. Write these fractions as percentages.

a) $\frac{27}{100}$

f) $\frac{2}{10}$

b) $\frac{32}{100}$

g) $\frac{6}{10}$

c) $\frac{58}{100}$

h) $\frac{12}{50}$

d) $\frac{92}{100}$

i) $\frac{9}{50}$

e) $\frac{45}{100}$

j) $\frac{10}{25}$

2. Write these percentages as fractions. Afterwards simplify them if you can.

a) 50%

b) 19%

c) 32%

d) 25%

e) 14%

f) 99%

g) 10%

h) 75%

i) 20%

j) 49%



IF YOU HAVE THE NUMBER TEXTBOOKS

SET B WORK

Textbook 2 Page 50 Q14 – 22, Page 52 Q1-21. Simplify fractions where you can.

SET C WORK

Textbook 2 Page 52



IF YOU HAVE THE EVOLVE TEXTBOOK

SET B WORK

Textbook 3 Page 70.

SET C WORK

Textbook C Page 70 Q9 – 26 and Page 71 Q1-8.



ANSWERS TO SET A

1. a) 27% i) 18%
b) 32% j) 40%
c) 58%
d) 92%
e) 45%
f) 20%
g) 60%
h) 24%

2.

$$a) \frac{50}{100} = \frac{1}{2}$$

$$b) \frac{19}{100}$$

$$c) \frac{32}{100} = \frac{16}{50} = \frac{8}{25}$$

$$d) \frac{25}{100} = \frac{1}{4}$$

$$e) \frac{14}{100} = \frac{7}{50}$$

$$f) \frac{99}{100}$$

$$g) \frac{10}{100} = \frac{1}{10}$$

$$h) \frac{75}{100} = \frac{3}{4}$$

$$i) \frac{20}{100} = \frac{1}{5}$$

$$j) \frac{49}{100}$$

NUMBER TEXTBOOK

ANSWERS TO SET B

14. $\frac{30}{100} = \frac{3}{10}$ Page 51
15. $\frac{90}{100} = \frac{9}{10}$ 1. 43%
16. $\frac{60}{100} = \frac{6}{10} = \frac{3}{5}$ 2. 67%
17. $\frac{10}{100} = \frac{1}{10}$ 3. 21%
18. $\frac{50}{100} = \frac{5}{10} = \frac{1}{2}$ 4. 59%
19. $\frac{80}{100} = \frac{8}{10} = \frac{4}{5}$ 5. 82%
20. $\frac{20}{100} = \frac{2}{10} = \frac{1}{5}$ 6. 35%
21. $\frac{40}{100} = \frac{4}{10} = \frac{2}{5}$ 7. 76%
22. $\frac{70}{100} = \frac{7}{10}$ 8. 12%
9. 94%
10. 48%
11. 38%

12. 92%
13. 40%
14. 21%
15. 5%
16. $\frac{29}{100}$
17. $\frac{10}{100} = \frac{1}{10}$
18. $\frac{98}{100} = \frac{49}{50}$
19. $\frac{75}{100} = \frac{3}{4}$
20. $\frac{67}{100}$
21. $\frac{2}{100} = \frac{1}{50}$

ANSWERS TO SET C

1. 25% 11. 50%
2. 20% 12. 25%
3. 50% 13. 75%
4. 40% 14. 10%
5. 75% 15. 20%
6. 30% 16. 60%
7. 80% 17. 70%
8. 70% 18. 5%
9. 60% 19. 85%
10. 10%

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Percentages

1. 60%
2. 30%
3. 15%
4. 75%
5. 40%
6. 22%
7. 83%
8. 57%

Not coloured:

1. 40%
2. 70%
3. 85%
4. 25%
5. 60%
6. 78%
7. 17%
8. 43%
9. 80%
10. 10%
11. 45%
12. 95%
13. 1%
14. 50%
15. 25%
16. 75%
17. 20%
18. 70%
19. $\frac{30}{100} = \frac{3}{10}$
20. $\frac{25}{100} = \frac{1}{4}$
21. $\frac{80}{100} = \frac{8}{10}$
22. $\frac{20}{100} = \frac{2}{10}$ or $\frac{1}{5}$
23. $\frac{10}{100} = \frac{1}{10}$
24. $\frac{75}{100} = \frac{3}{4}$
25. $\frac{70}{100} = \frac{7}{10}$
26. $\frac{110}{100} = 1\frac{1}{10}$

Owl Answers may vary.

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Percentages

1. $\frac{1}{2}$, 50%
2. $\frac{1}{4}$, 25%

3. $\frac{1}{10}$, 10%
4. $\frac{3}{4}$, 75%
5. $\frac{3}{5}$, 60%
6. $\frac{7}{10}$, 70%
7. $\frac{4}{5}$, 80%
8. $\frac{9}{10}$, 90%
9. 1st prize £25
2nd prize £12-50
3rd prize £5
10. 1st prize £48
2nd prize £36
3rd prize £24
11. 1st prize £120
2nd prize £50
3rd prize £30
12. 1st prize £35
2nd prize £14
3rd prize £10-50
13. 1st prize £550
2nd prize £250
3rd prize £150

What is left over:

9. 15%, £7-50
 10. 10%, £12
 11. 0%, £0
 12. 15%, £10-50
 13. 5%, £50
- Owl** Answers may vary.

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Percentages

1. £20
2. £40
3. £54
4. £60
5. £95
6. £12
7. £20
8. £34
9. 6 hours
10. £11-15

REMEMBER:

- **Talk to someone on your network hand if you are worried about something.**
- **If nobody is listening to your worries or there is nobody to talk to, you can google Childline or call them on 08001111. Adults at Childline are used to talking to children with worries and can help you.**
- **If you feel unsafe at home or are worried that a friend is not safe, call Mrs Patchett on 07787261064.**