

DR BAKER'S YEAR 5 MATHS
WEDNESDAY 6TH MAY



WELCOME

Good Morning. Here are the answers to the times tables. How did you get on? Hopefully this time at home is chance to work on your times tables. Have you logged on to Rockstars yet? If not give it a go if you have some spare time.

$3 \times 9 = \underline{27}$

$4 \times 6 = \underline{24}$

$12 \times 12 = \underline{144}$

$6 \times 12 = \underline{72}$

$12 \times 8 = \underline{96}$

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

$8 \times 6 = \underline{48}$

$4 \times 9 = \underline{36}$

$7 \times 7 = \underline{49}$

$6 \times 12 = \underline{72}$

$7 \times 1 = \underline{7}$

$12 \times 9 = \underline{108}$

$4 \times 12 = \underline{48}$

$8 \times 12 = \underline{96}$

$8 \times 10 = \underline{80}$

$9 \times 8 = \underline{72}$

$2 \times 7 = \underline{14}$

$5 \times 8 = \underline{40}$

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

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

TASKS FOR TODAY

L.O. To find percentages of amounts.

As I said yesterday, today we are going to find percentages of amounts. If you completed your work successfully yesterday you should be ready for this work. If not it might be a good idea to go back and look at yesterday's work again instead. You may like to do the next level up or have another go at the same level. When you are comfortable with it move on to today's work.

As I said we are going to solve these questions by turning our percentage to a fraction and multiplying by it. There are other ways to do find percentages but this uses the skills you know and will work for all percentages. Maybe you will spot some quicker methods – if they **always** work that is OK, you can use them – but this method does work for all percentages. Go onto the next slide to see how,

TASKS FOR TODAY

L.O. To find percentages of amounts.

For example to find 10% of 30.

First turn 10% into a fraction and simplify it: $10\% = \frac{10}{100} = \frac{1}{10}$

You don't have to simplify it but it makes it much easier. Here divide top and bottom by 10.

Then multiply your fraction by the amount you are trying to find the percentage of.

Here $\frac{1}{10} \times 30 = \frac{1 \times 30}{10} = \frac{30}{10} = 30 \div 10 = 3$ So 10% of 30 is 3.

Again, if we want to find 5% of 40.

$5\% = \frac{5}{100} = \frac{1}{20}$ so 5% of 40 = $\frac{1}{20} \times 40 = \frac{40}{20} = 2$. So 5% of 40 is 2.

Time for you to have a go! You might spot a pattern as you go – if you do use it to come up with another method for that particular percentage. Maybe you could work out 20% if you know 10%.

SET A

A

Find 10% of:

- | | |
|-------|--------|
| 1 20 | 6 300 |
| 2 70 | 7 240 |
| 3 500 | 8 900 |
| 4 140 | 9 650 |
| 5 800 | 10 410 |

Find 10% of:

- | | |
|----------|-----------|
| 11 80p | 16 £1.70 |
| 12 30p | 17 £17.00 |
| 13 £2.00 | 18 £0.20 |
| 14 £7.50 | 19 £5.60 |
| 15 £4.90 | 20 £8.10 |

Find 10% of:

- | | |
|-----------|-----------|
| 21 60 mm | 26 700 g |
| 22 90 kg | 27 350 ml |
| 23 400 ml | 28 280 km |
| 24 110 cm | 29 490 m |
| 25 830 m | 30 120 kg |
- 31 A bag of flour weighs 850 g. 10% is used.
How much flour is left?

SET B

B

Find

a) 10% of: b) 20% of:

1 300

3 £4.80

2 90

4 620 m

Find

a) 10% of: b) 30% of:

5 140

7 700 ml

6 2100

8 £12.50

Find

a) 25% of: b) 75% of:

9 32

11 £4.80

10 600

12 10 m

Find

13 20% of 160

14 30% of 30

15 50% of 2800

16 25% of 64

17 1% of 200

18 40% of 450 g

19 90% of £4.00

20 75% of 36p

21 60% of 1200 ml

22 5% of £10.00

SET C

C

Find the new price if the price shown is reduced by:

a) 10% b) 5% c) 15%.

1 £25.00 3 £70.00

2 £3.20 4 £9.80

How much interest is paid into a savings account for each amount if the interest rate is:

a) 10% b) 1% c) 3%.

5 £540 7 £10 000

6 £1900 8 £216

Find

9 1% of 5800

10 5% of 4

11 99% of 7000

12 15% of 12

13 2% of £79

14 11% of £35

15 95% of 600 g

16 7% of 1 litre

17 9% of 500 ml

18 3% of 2 kg

19 45% of 240 m

20 21% of £30 000

SET A ANSWERS

- | | | | | | |
|-----|----|-----|---------------|-----|------|
| 1. | 2 | 12. | 3p | 23. | 40ml |
| 2. | 7 | 13. | 20p | 24. | 11cm |
| 3. | 50 | 14. | 75p | 25. | 83m |
| 4. | 14 | 15. | 49p | 26. | 70g |
| 5. | 80 | 16. | 17p | 27. | 35ml |
| 6. | 30 | 17. | 170p or £1.70 | 28. | 28km |
| 7. | 24 | 18. | 2p | 29. | 49m |
| 8. | 90 | 19. | 56p | 30. | 12kg |
| 9. | 65 | 20. | 81p | 31. | 765g |
| 10. | 41 | 21. | 6mm | | |
| 11. | 8p | 22. | 9kg | | |



SET B ANSWERS



1. a) 30 b) 60

2. a) 9 b) 18

3. a) 48p b) 96p

4. a) 62m b) 124m

5. a) 14 b) 42

6. a) 210 b) 630

7. a) 70ml b) 210ml

8. a) £1.25 b) £3.75

9. a) 8 b) 24

10. a) 150 b) 450

11. a) £1.20 b) £3.60

12. a) 2.5m b) 7.5m

13. 32

14. 27

15. 1400

16. 16

17. 2

18. 180

19. £3.60

20. 27p

21. 720ml

22. 50p

SET C ANSWERS

1. a) £22.50 b) £23.75 c)
£21.25

2. a) £63 b) £66.50 c) £59.50

3. a) £2.88 b) £3.04 c) £2.72

4. a) £8.82 b) £9.31 c) £8.33

5. a) £54 b) £5.40 c) £16.20

6. a) £190 b) £19 c) £57

7. a) £1000 b) £100 c) £300

8. a) £21.60 b) £2.16 c) £6.48

9. 58

10. 0.2

11. 6930

12. 1.8

13. £1.58

14. £3.85

15. 570g

16. 0.07l

17. 45

18. 0.06kg

19. 108m

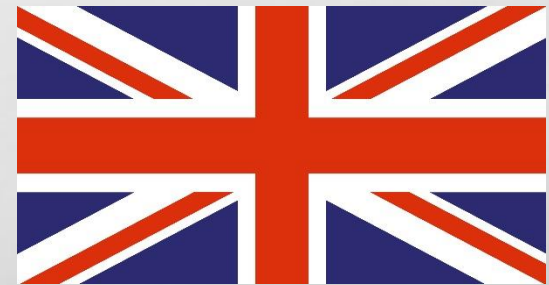
20. 6300



HAVE A LOVELY BANK HOLIDAY!



That's all from me this week as tomorrow is VE celebration work and Friday is a Bank Holiday. I hope you have a lovely weekend and I will be back with more maths on Monday.



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.**