THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

PRACTICE PACK · ONE TOPIC UNTIL IT IS SECURE

Percentages

The easy percentages, building from ten per cent, one number as a percentage of another, increase and decrease, and the links to fractions and decimals.

WHAT IS INSIDE

- How to use this pack
- The easy percentages
- Building from ten per cent
- Writing one number as a percentage of another
- Increase and decrease
- Fractions, decimals and percentages
- In words
- All the answers

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6 sets of questions · every answer at the back

Written for a parent teaching at home. No training assumed, and nothing else to buy.

strivingmuslimacademy.com

The easy percentages

Read the worked example aloud together, then one row a day.



One worked for you

The question. 25% of 80.

25% is a quarter. So divide by four.

Eighty divided by four. Twenty.

Answer. 20. Learn these: 50% is half, 25% is a quarter, 10% is divide by ten.

WORDS YOU CAN USE

Do you know this one as a fraction? Half, quarter, tenth?

If you know 10%, you can build most of the others.

1 **25% of 20 =**	2 **50% of 60 =**	3 **75% of 40 =**	4 **50% of 240 =**
5 **5% of 240 =**	6 **25% of 300 =**	7 **20% of 200 =**	8 **5% of 160 =**
9 **5% of 300 =**	10 **10% of 60 =**	11 **75% of 60 =**	12 **20% of 100 =**
13 **25% of 200 =**	14 **5% of 60 =**	15 **75% of 20 =**	16 **25% of 60 =**

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Writing one number as a percentage of another

Read the worked example aloud together, then one row a day.



One worked for you

The question. 12 out of 40 as a percentage.
Write it as a fraction. Twelve fortieths.
Divide the top by the bottom. 12 divided by 40 is 0.3.
Times by a hundred. 30%.

WORDS YOU CAN USE

Out of means divide. Top divided by bottom.
Then multiply by a hundred, every time.

1 7 out of 28 as a percentage =	2 42 out of 420 as a percentage =	3 3 out of 15 as a percentage =	4 24 out of 240 as a percentage =
5 18 out of 72 as a percentage =	6 7 out of 14 as a percentage =	7 21 out of 84 as a percentage =	8 18 out of 36 as a percentage =
9 36 out of 360 as a percentage =	10 9 out of 18 as a percentage =	11 12 out of 120 as a percentage =	12 21 out of 42 as a percentage =
13 27 out of 54 as a percentage =	14 9 out of 90 as a percentage =	15 33 out of 165 as a percentage =	16 3 out of 6 as a percentage =

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In words

Read the worked example aloud together, then one row a day.



One worked for you

Read it twice. What is the original amount? What is the percentage?

Find the percentage of the original. Not of the answer.

Then read the question again. Did it ask for the reduction, or the new price?

Check. A reduced price must be smaller than the original.

WORDS YOU CAN USE

Did it ask for the discount or for what they pay? They are different answers.

Is your answer sensible?

1 A bag costs 800. In the sale it is reduced by 15%. What does Aisha pay?

2 A bag costs 1200. In the sale it is reduced by 10%. What does Yusuf pay?

3 A bag costs 1600. In the sale it is reduced by 5%. What does Khadijah pay?

4 A bag costs 1600. In the sale it is reduced by 5%. What does Musa pay?

5 A bag costs 2000. In the sale it is reduced by 15%. What does Zainab pay?

6 A bag costs 1200. In the sale it is reduced by 15%. What does Ibrahim pay?

7 A bag costs 1600. In the sale it is reduced by 15%. What does Maryam pay?

8 A bag costs 800. In the sale it is reduced by 15%. What does Bilal pay?

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SAMPLE PAGES

You have read a few pages. The pack is longer.

What you are holding is a short sample, taken from different parts of the pack so that you can see how a week is planned and what a child is actually asked to do, before you decide.

The complete pack, and the rest of the academic materials, are on our website: schemes of work for a parent teaching at home, and practice packs for the skills children get stuck on.

The Striving Muslim Academy

strivingmuslimacademy.com

Islamic and Academic Education

Members of the homeschool community do not buy these. If you have joined the community, the pack for the term you are working on is given to you at no cost.

Our Islamic Education classes are free. These packs are part of what pays the teachers who teach them.