THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

PRACTICE PACK · ONE TOPIC UNTIL IT IS SECURE

Fractions

Equivalence, simplifying, comparing, the four operations, and a fraction of an amount.

WHAT IS INSIDE

- How to use this pack
- Equivalent fractions
- Simplifying
- Which is bigger?
- Adding, same bottom number
- Adding, different bottom numbers
- Subtracting
- A fraction of an amount
- Multiplying
- In words
- All the answers

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9 sets of questions · every answer at the back

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

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Which is bigger?

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



One worked for you

The question. Which is bigger, three quarters or two thirds?

Make the bottoms the same. Quarters and thirds both go into twelfths.

Rewrite both. Three quarters is nine twelfths. Two thirds is eight twelfths.

Answer. Nine twelfths is bigger, so three quarters is bigger.

WORDS YOU CAN USE

You cannot compare them until the bottom numbers match.

What number do both bottoms go into?

1 $\frac{5}{6}$? $\frac{1}{2}$	2 $\frac{1}{3}$? $\frac{1}{2}$	3 $2\frac{1}{2}$? 1	4 1 ? $\frac{1}{3}$
5 $\frac{3}{5}$? $\frac{1}{5}$	6 1 ? $\frac{2}{3}$	7 $\frac{3}{8}$? $\frac{1}{2}$	8 $\frac{1}{3}$? $1\frac{2}{3}$
9 $\frac{1}{2}$? $1\frac{1}{2}$	10 $2\frac{1}{2}$? $\frac{1}{8}$	11 $\frac{5}{6}$? 2	12 $\frac{3}{8}$? $\frac{4}{5}$
13 $\frac{1}{3}$? $\frac{1}{5}$	14 $1\frac{1}{4}$? $1\frac{1}{3}$	15 $1\frac{2}{3}$? $\frac{2}{3}$	16 $\frac{1}{4}$? $1\frac{1}{4}$

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Adding, same bottom number

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



One worked for you

The question. Three fifths plus one fifth.

The bottoms match. So add the tops only. Three plus one is four.

Do not add the bottoms. Fifths plus fifths are still fifths.

Answer. Four fifths.

WORDS YOU CAN USE

The bottom number is the name of the thing. Three cats plus one cat is four cats, not four cat-cats.

Add the tops. Leave the bottom alone.

1 $\frac{4}{8} + \frac{5}{8} =$	2 $\frac{3}{8} + \frac{4}{8} =$	3 $\frac{5}{8} + \frac{7}{8} =$	4 $\frac{3}{5} + \frac{4}{5} =$
5 $\frac{1}{9} + \frac{8}{9} =$	6 $\frac{5}{9} + \frac{2}{9} =$	7 $\frac{3}{4} + \frac{3}{4} =$	8 $\frac{3}{8} + \frac{3}{8} =$
9 $\frac{3}{6} + \frac{4}{6} =$	10 $\frac{7}{9} + \frac{7}{9} =$	11 $\frac{8}{10} + \frac{6}{10} =$	12 $\frac{1}{4} + \frac{1}{4} =$
13 $\frac{5}{6} + \frac{1}{6} =$	14 $\frac{3}{4} + \frac{2}{4} =$	15 $\frac{3}{8} + \frac{2}{8} =$	16 $\frac{3}{8} + \frac{1}{8} =$

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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 happening, before what is the sum?
Find the amount and the fraction. The amount is the whole. The fraction is the part.
Then it is the same as the last page. Divide by the bottom, multiply by the top.
Check. Is the answer smaller than the amount? It should be.

WORDS YOU CAN USE

Tell me what is happening, in your own words, before you write anything.
Is your answer sensible? It must be smaller than the whole.

1 Aisha had 25 dates. Aisha gave away $\frac{1}{5}$ of them. How many did Aisha give away?

2 Yusuf had 30 dates. Yusuf gave away $\frac{4}{5}$ of them. How many did Yusuf give away?

3 Khadijah had 15 dates. Khadijah gave away $\frac{2}{5}$ of them. How many did Khadijah give away?

4 Musa had 18 dates. Musa gave away $\frac{1}{3}$ of them. How many did Musa give away?

5 Zainab had 21 dates. Zainab gave away $\frac{2}{3}$ of them. How many did Zainab give away?

6 Ibrahim had 30 dates. Ibrahim gave away $\frac{3}{5}$ of them. How many did Ibrahim give away?

7 Maryam had 21 dates. Maryam gave away $\frac{1}{3}$ of them. How many did Maryam give away?

8 Bilal had 15 dates. Bilal gave away $\frac{3}{5}$ of them. How many did Bilal give away?

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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.

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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.