mini 🗙 math

Measuring

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David Kirkby

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Measuring



David Kirkby

WASHINGTON VILLAGE



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tall and short • tall and

tallest



shortest

This doll is tallest.



This doll is shortest.



short • tall and short

Which is tallest?



2

1

3

4

• To Do •

Copy the towers above. Now draw some more bricks on tower 1 to make it the tallest.



long and short.long and

longest

shortest



This is shortest.

This is longest.

short · long and short

Which is longest? Which is shortest?



• To Do •

Find some pens and pencils. Line them up. Put the longest at the top. Put the shortest at the bottom.

how long? • how tall?



Sometimes you need to know how long or how tall something is.

You can measure with anything.



Measure with the same thing. This present is 9 pasta tubes long.



It is hard to measure well with different things.

now long? • how tall?

How many boxes tall are the girls?

• To Do •

Use your open hand to measure with. How many hands long is your table? How many hands tall is your table?

inches and feet • inches

It is best if everyone uses the same thing to measure. We measure in inches and feet. 12 inches = 1 foot.



Kieran is 53 inches tall.

He is 24 inches around.



and feet • inches and feet



How many inches tall? How many inches wide?

• To Do •

Estimate (guess) how many inches long your foot is. Measure it. Estimate (guess) how many inches it is around your head. Measure it.



light • heavy and light

We use scales to weigh things. They tell us which is heavier. The heavier thing



makes the scales go down.



The dinosaur is heavier. The ball is lighter.

heavy and light • heavy

Which is lighter?



• To Do • Name 5 things that are lighter than a bed. Name 5 things that are heavier than a ball.

ounces and pounds

We weigh things in ounces and pounds. 16 ounces = 1 pound.



The candy weighs 1 pound.



The potatoes weigh 1 pound.

punces and pounds

How much does this flour weigh?

• To Do •

Find out which weighs more: a box of crackers or a bag of flour.



which holds more?



The pitcher holds more juice than the glass. We say that the capacity of the jug is greater than the capacity of the glass.



6 glasses of juice will fill this pitcher. The capacity is the amount of juice the pitcher will hold.

which holds more?



We measure liquid capacity in cups, pints, and quarts.



• To Do • Estimate (guess) which will hold more water: a glass or a bowl.

Fill a glass and a bowl with water to see if you were right.

what time? • what time?

Clocks measure time in minutes and hours. The long hand is the minute hand. The short hand



is the hour hand. When the long hand is on 12, it is the beginning of a new hour.



This clock shows 8 o'clock.

what time? • what time?

One clock shows a different time from the others. What time does it show? What time do the other clocks show?



digital time • digital time

Digital clocks do not have hands. They show the time just using

numbers. This clock shows 8 o'clock.

The number before : shows the hour.

The number after : shows the minutes.



When the clock shows :00, it is the beginning of a new hour.



This clock shows 10 o'clock.

digital time • digital time





What time is it?

• To Do • Write these times down as digital time.

longer time • longer time

YEAR PLANNER

DIARY

MAN.

DECEMBER

CALENDAR

We also measure time in days, weeks, months, and years.

7 days = 1 week. 52 weeks = 1 year. 12 months = 1 year.

24

25 26 27 ° 28

onger time • longer time

Monica is 6 years old today.



How old will she be in 12 months' time?

• To Do • When is your birthday? How many months old are you?



answers • answers

Page 5	Tower 2 is tallest.
Page 7	The green pencil is longest. The red pencil is shortest.
Page 9	5 boxes tall
Page 11	8 inches tall, 6 inches wide
Page 13	The bag is lighter.
Page 15	The flour weighs 8 ounces.
Page 19	1 clock shows 6 o'clock. The others show 2 o'clock. To Do: 4 o'clock, 9 o'clock, 12 o'clock
Page 21	10 o'clock To Do: 8:00, 10:00, 5:00
Page 23	7 years old





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Mini Math is a series of six books that introduces children to basic math concepts. Clear photographs and simple text explain the concepts in ways that are colorful and fun. Each idea is covered in a way that:

- introduces and explains the concept
- shows it being used in daily life
- reinforces children's understanding through suggested activities and puzzles.

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