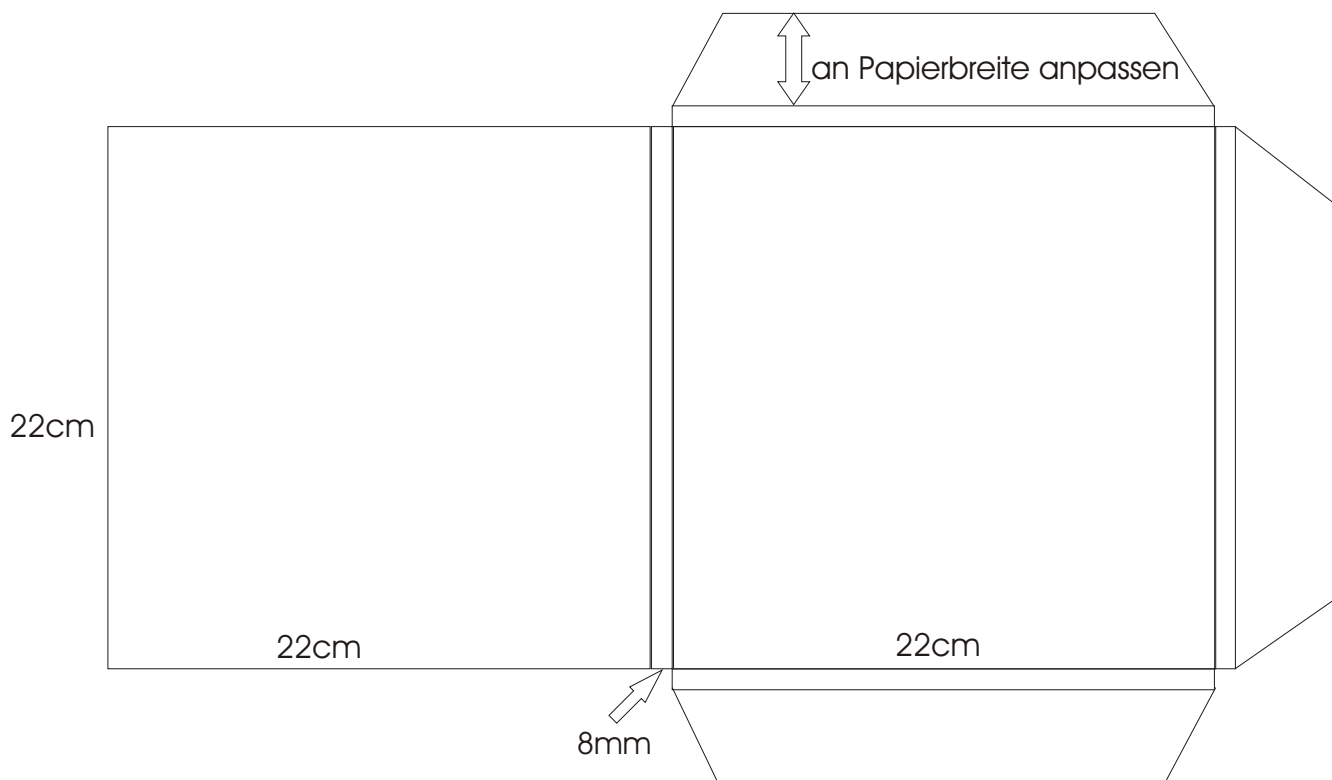


Die Lernscheiben sind anhand einer Originalscheibe nachgearbeitet. Natürlich erreiche ich nicht die Perfektion. Daher fehlen auch die beiden Löcher zum Auflegen. Diese sollten anhand einer Originalscheibe aufgezeichnet werden, das wird genauer. Eventuell das Loch etwas größer wählen. Beim Ausdrucken (möglichst auf Zeichenkarton) sollte man natürlich beachten, dass auf z.B. auf die Lösungskarte 5 auch die Aufgabenkarte 5 gedruckt wird. Dabei bitte nicht angeben: auf Seite einpassen.

Links und rechts werden die meisten Drucker auf den Lösungskarten einen weißen Randstreifen lassen, beim Ausschneiden muss der dran bleiben. Die Lernscheiben sind 21 cm groß! Es fehlt also immer etwas Farbe an 4 Bögen! Ich habe die Scheiben laminiert, dabei kann an den Zacken ein kleiner Rand verbleiben, an den Bögen jedoch nicht.

Aus Fotokarton Größe 35cm x 50 (oder 50x70, ergibt 2 Taschen), lässt sich relativ leicht eine Tasche zur Aufbewahrung basteln.























A circular diagram with numbers around the perimeter and arithmetic problems in the center. The numbers around the circle are: 11, 10, 6, 17, 12, 13, 14, 8, 7, 5, 16, and 9. The arithmetic problems in the center are:

- $2 + 9 =$ (orange dot)
- $7 + 6 =$ (purple dot)
- $11 - 6 =$ (blue dot)
- $20 - 3 =$ (green dot)
- $12 - 5 =$ (yellow dot)
- $18 - 9 =$ (red dot)
- $9 + 5 =$ (red dot)
- $15 - 9 =$ (blue dot)
- $8 + 4 =$ (orange dot)
- $10 + 6 =$ (purple dot)
- $11 - 3 =$ (green dot)
- $11 - 1 =$ (yellow dot)

A circular diagram with numbers around the perimeter and arithmetic problems in the center. The numbers around the circle are: 17, 15, 14, 9, 3, 7, 16, 12, 11, 10, 6, 8. The arithmetic problems in the center are: $16 - 5 =$, $18 - 8 =$, $10 + 5 =$, $13 - 6 =$, $3 + 9 =$, $8 + 6 =$, $9 + 8 =$, $13 - 4 =$, $17 - 9 =$, $11 - 5 =$, $12 - 9 =$, and $7 + 9 =$. Each problem is accompanied by a colored dot.

17 15

14 $16 - 5 =$ ●

● $18 - 8 =$

$10 + 5 =$ ●

● $13 - 6 =$

$3 + 9 =$ ●

● $8 + 6 =$

$9 + 8 =$ ●

● $13 - 4 =$

$17 - 9 =$ ●

● $11 - 5 =$

$12 - 9 =$ ●

● $7 + 9 =$

9 7 12 10 6 8

A circular diagram with numbers around the perimeter and arithmetic problems in the center. The numbers around the circle are: 3 (top), 9 (top-left), 14 (top-right), 15 (right), 2 (right), 13 (right), 17 (bottom-right), 11 (bottom-right), 7 (bottom), 6 (bottom-left), 10 (left), 8 (left), and 16 (left). The arithmetic problems in the center are:

- $10 + 4 =$ (yellow dot)
- $19 - 2 =$ (red dot)
- $14 - 6 =$ (purple dot)
- $7 + 4 =$ (green dot)
- $4 + 9 =$ (blue dot)
- $8 + 8 =$ (orange dot)
- $12 - 5 =$ (yellow dot)
- $17 - 8 =$ (purple dot)
- $13 - 7 =$ (red dot)
- $12 - 2 =$ (blue dot)
- $11 - 9 =$ (green dot)
- $9 + 6 =$ (orange dot)

A circular diagram with numbers around the perimeter and arithmetic problems inside. The numbers around the circle are: 8, 10, 7, 16, 15, 13, 17, 18, 12, 14, 9, 11. Inside the circle, there are 12 arithmetic problems, each with a colored dot next to it:

- 5 + 9 = (orange dot)
- 6 + 6 = (green dot)
- 19 - 9 = (blue dot)
- 12 + 4 = (red dot)
- 10 + 8 = (purple dot)
- 17 - 9 = (yellow dot)
- 9 + 8 = (orange dot)
- 11 - 2 = (blue dot)
- 15 - 8 = (green dot)
- 7 + 8 = (purple dot)
- 9 + 2 = (red dot)
- 10 + 3 = (yellow dot)

15 9
 10 6 + 9 = ●
 ● 11 - 4 =
 10 + 6 = ●
 ● 12 - 4 =
 8 + 9 = ●
 ● 15 - 6 =
 5 + 6 = ●
 ● 13 - 3 =
 8 + 6 = ●
 ● 12 - 8 =
 10 + 2 = ●
 ● 12 - 6 = ●
 16 6 17

15 7

8 11

16 9

12 17

4 10

13 6

$8 + 7 =$ ●

● $14 - 8 =$

$13 - 5 =$ ●

● $16 - 7 =$

$9 + 4 =$ ●

● $8 + 3 =$

$20 - 10 =$ ●

● $11 - 7 =$

$5 + 7 =$ ●

● $11 + 6 =$

$16 - 9 =$ ●

● $7 + 9 =$

7

13

9

7

$4 + 7 =$



16



$6 + 8 =$

$7 + 6 =$



$8 + 8 =$

$8 + 5 =$



10

17



$8 + 9 =$

$15 - 5 =$



8



$14 - 9 =$

13

$16 - 10 =$



$14 - 7 =$

$12 - 3 =$



5

14



$15 - 7 =$

6

11

8

10

13

8

$19 - 3 =$



12



$15 - 8 =$

$14 - 6 =$



$7 + 7 =$

$17 - 7 =$



16



$9 + 3 =$

$13 - 8 =$



18

7



$9 + 9 =$

$5 + 8 =$



14



$10 + 7 =$

$13 - 4 =$



17



$11 - 10 =$

5

1

9

9

19

9

17

$4 + 8 =$



12



$12 - 6 =$

$10 + 9 =$



5



$16 - 7 =$

$15 - 7 =$



8



$13 - 9 =$

$6 + 7 =$



6



$6 + 5 =$

$14 - 4 =$



13



$9 + 7 =$

$19 - 2 =$



10



$12 - 7 =$

16

4

11

10

14

12

18

11

$9 + 7 =$ ●

● $17 - 9 =$

$14 - 5 =$ ●

● $16 - 9 =$

$16 - 10 =$ ●

● $8 + 7 =$

$9 + 9 =$ ●

● $10 + 4 =$

$16 - 6 =$ ●

● $7 + 5 =$

$18 - 1 =$ ●

● $3 + 8 =$

17

10

7

8

9

16

6

15